

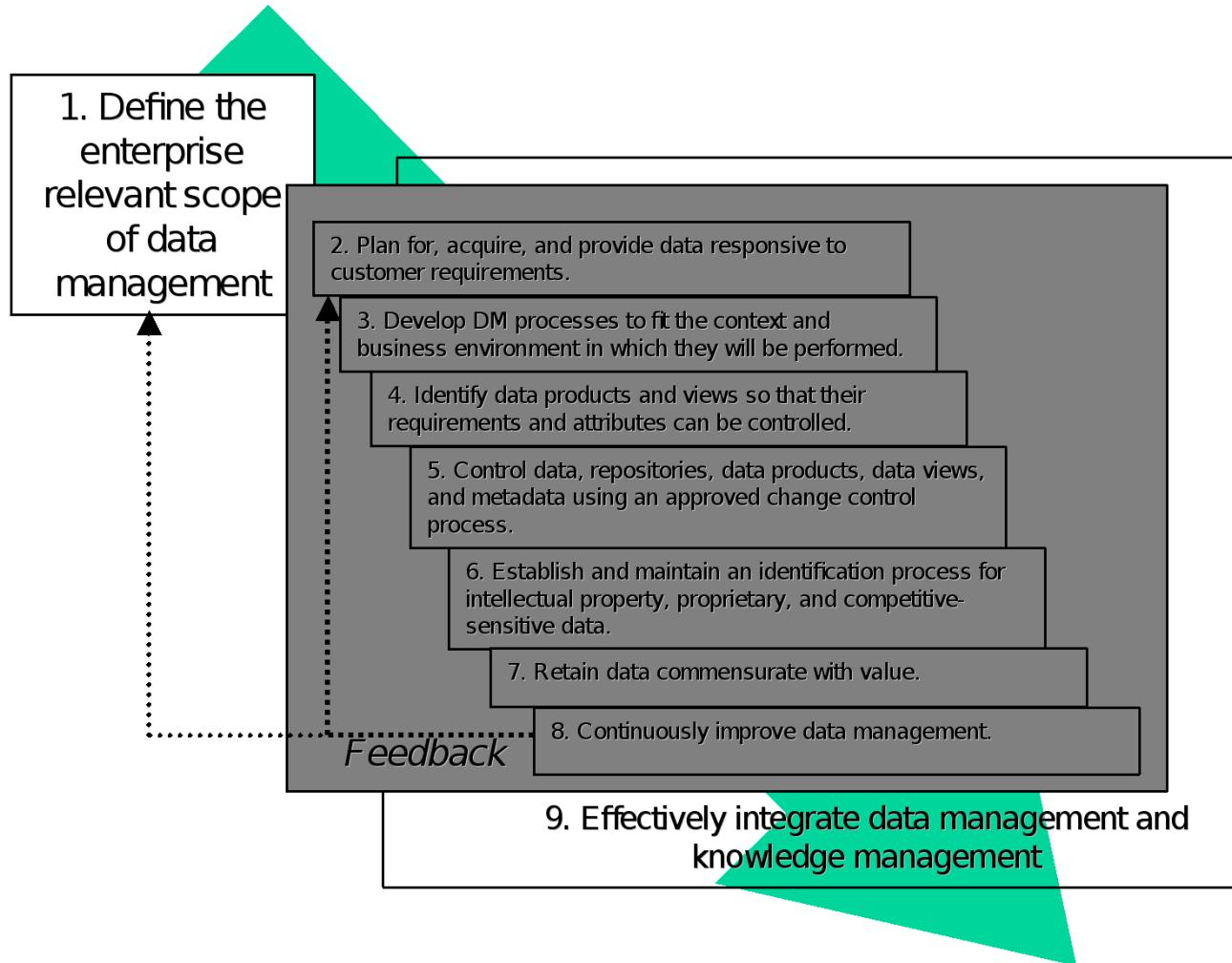


THE BEST-RUN E-BUSINESSES RUN SAP

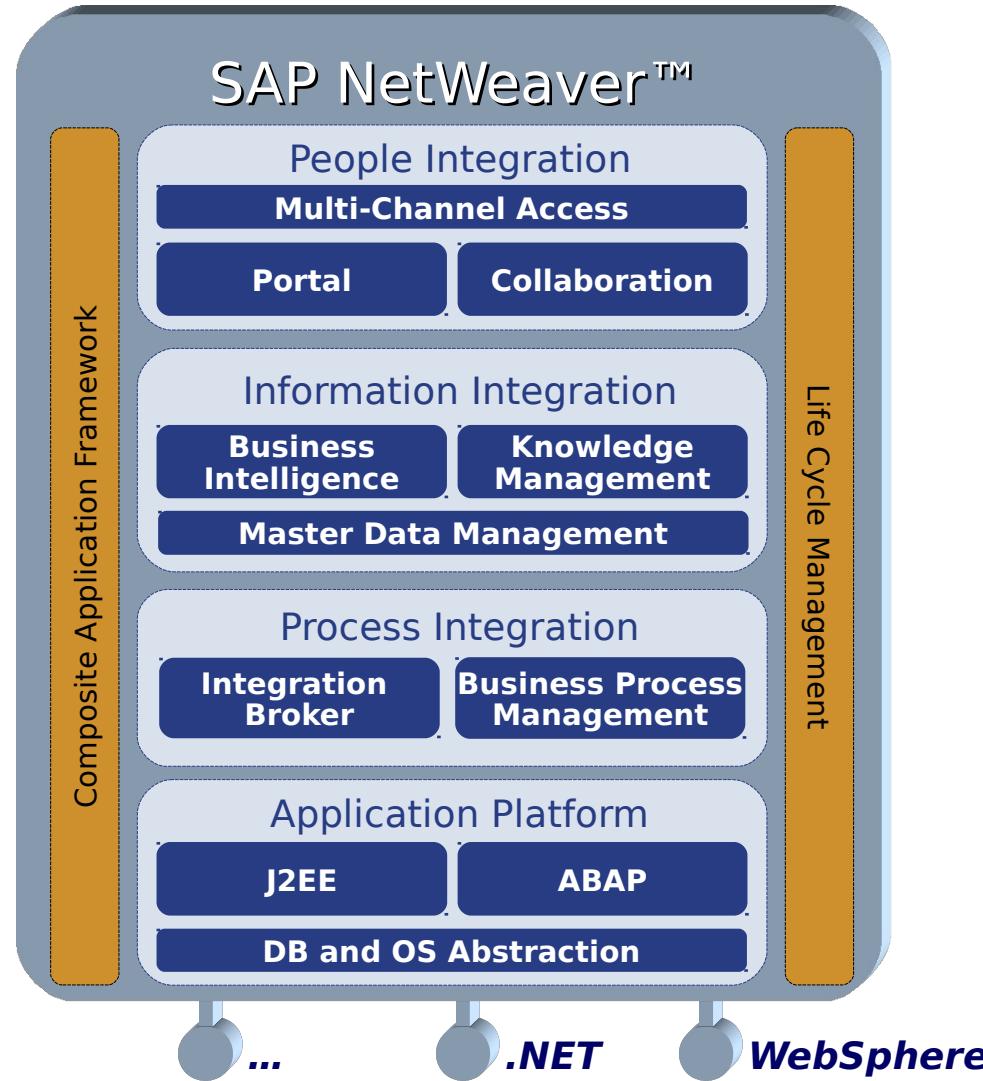
Data and Knowledge Management in SAP

Wayne Oronzio
SAP America

Nine Data Management Principles of GEIA 859



SAP NetWeaver™





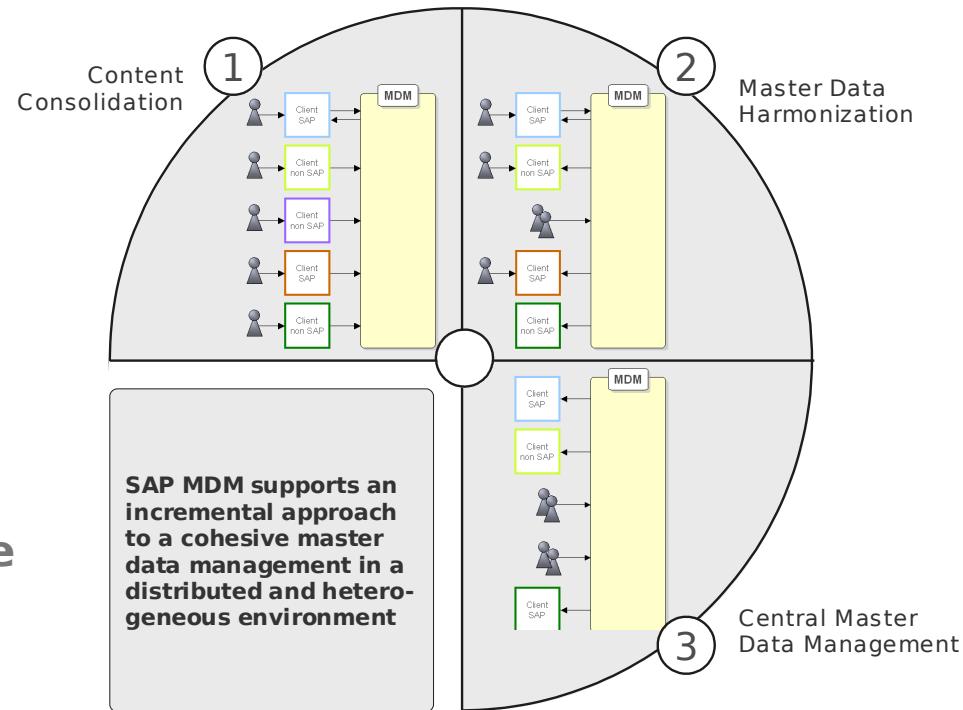
SAP Master Data Management (SAP MDM) creates a cohesive environment that drives data integration to support business processes in a dynamic and heterogeneous system environment

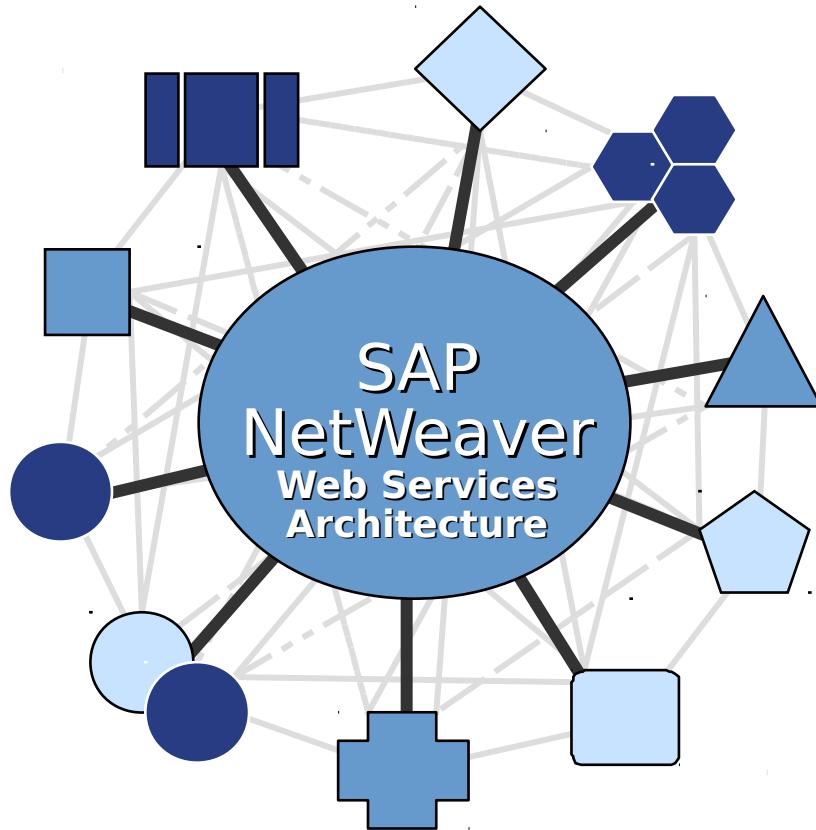
SAP MDM fosters collaboration by ensuring cross system data consistency – regardless of vendor and physical system location

SAP MDM regards consistent data as the key building block for end-to-end business processes to positively affect process execution, costs-of-business, and total cost-of-ownership for business-class IT systems

SAP MDM enables information integrity across the business network

- Define business network environment based on generic and industry specific business elements and related attributes - called master data
- Services support to consolidate content, harmonize and manage master data
- MDM is vital part of SAP NetWeaver





Shared master data

- Harmonized
- Extendible
- One-stop data maintenance

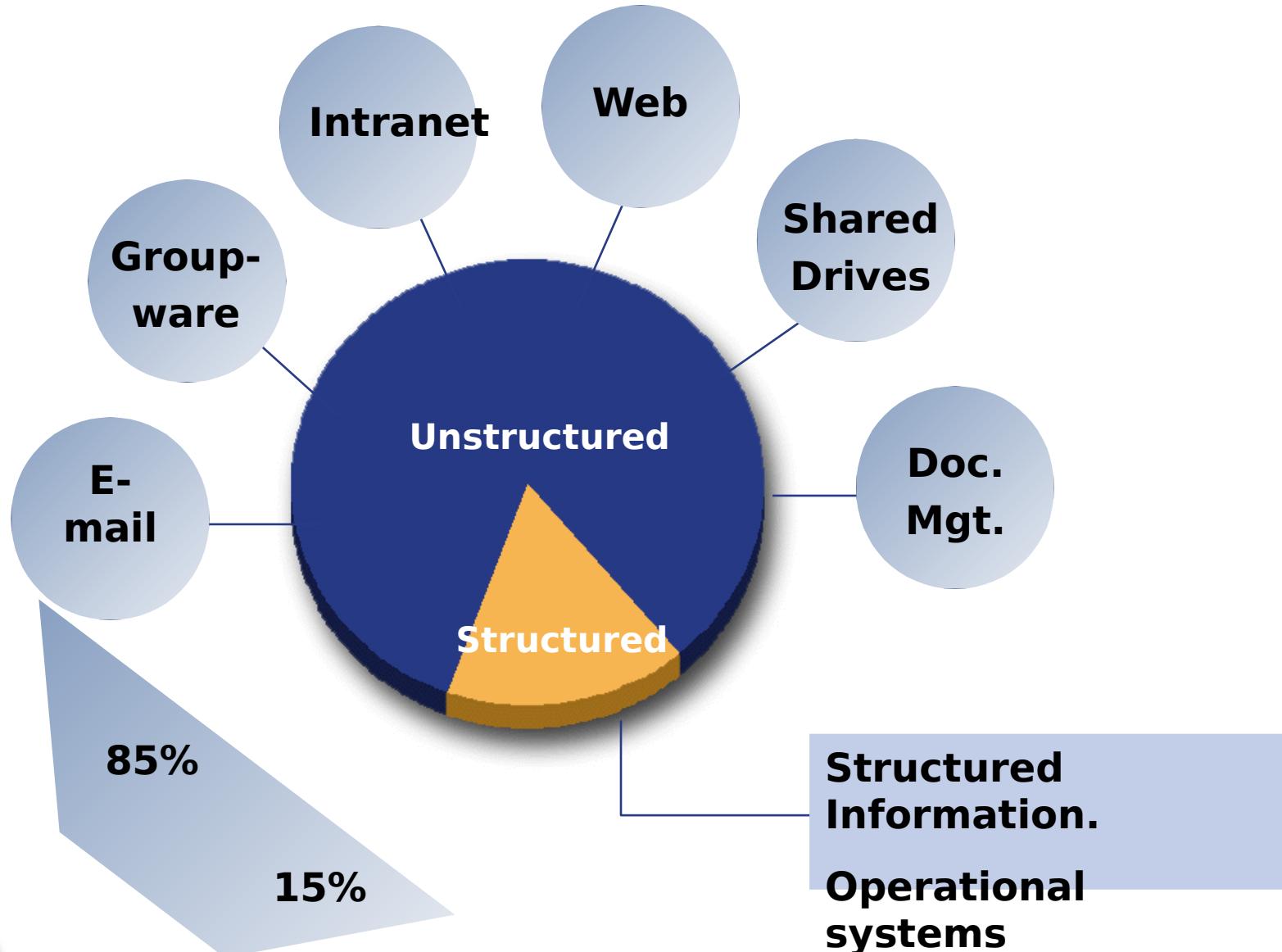
Aligned master data knowledge

- Central master data repository
- Duplicate recognition
- Synchronized analytics

Federated processes

- Accelerated process flow
- Open for localization
- Controlled replication

Unstructured Data – Has It's Particular Challenges



Integrated Knowledge Management Platform

"It is impossible to centralize all the information in a single repository ..."

mySAP Enterprise Portals KM provides

- **a unified view, taxonomies and set of common services**
- **on top of heterogenous repositories of unstructured information**

mySAP Enterprise Portal KM consists of

- **Content Management**
- **Search & Classification**

Collaboration for mySAP EP consists of

- **Collaboration Room**
- **Real-time collaboration**



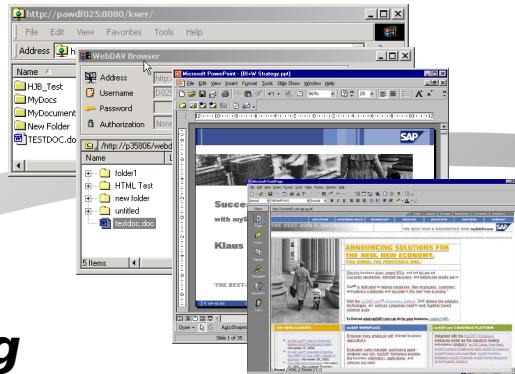
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Knowledge Management - Information Loop

Author



- **Authoring**
- **Publishing**
- **Workflow**



- **Mail, Annotations**
- **Feedback, Rating**
- **Discussion**
- **Chat, App. Sharing***

Consumer



- **Navigatio**
- **Retrieval**
- **Subscripti**
- **Pro**



Web &
Other Content
Sources

Enterprise Portal
(Places, Communities)

**Crawlers
Connectors
(‘Repository Managers’)**

- **Taxonomies**
- **Versioning**
- **Access Control**
- **Classification**

Content
Manager

* As part of Collaboration for mySAP EP

mySAP PLM Document Management System

The document management solution for R&D and logistics

■ **Comprehensive solution**

- Versions and structures
- Appoval and change management
- Workflow
- Distribution
- Web access

■ Process integration

- Product structures
- Project management
- Logistics

■ Open interfaces

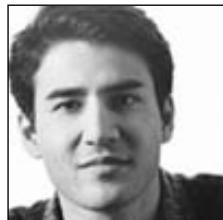
- CAD applications
- Office applications
- Archiving
- Document input / output systems



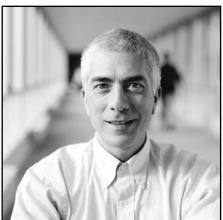
Document-Based Collaboration



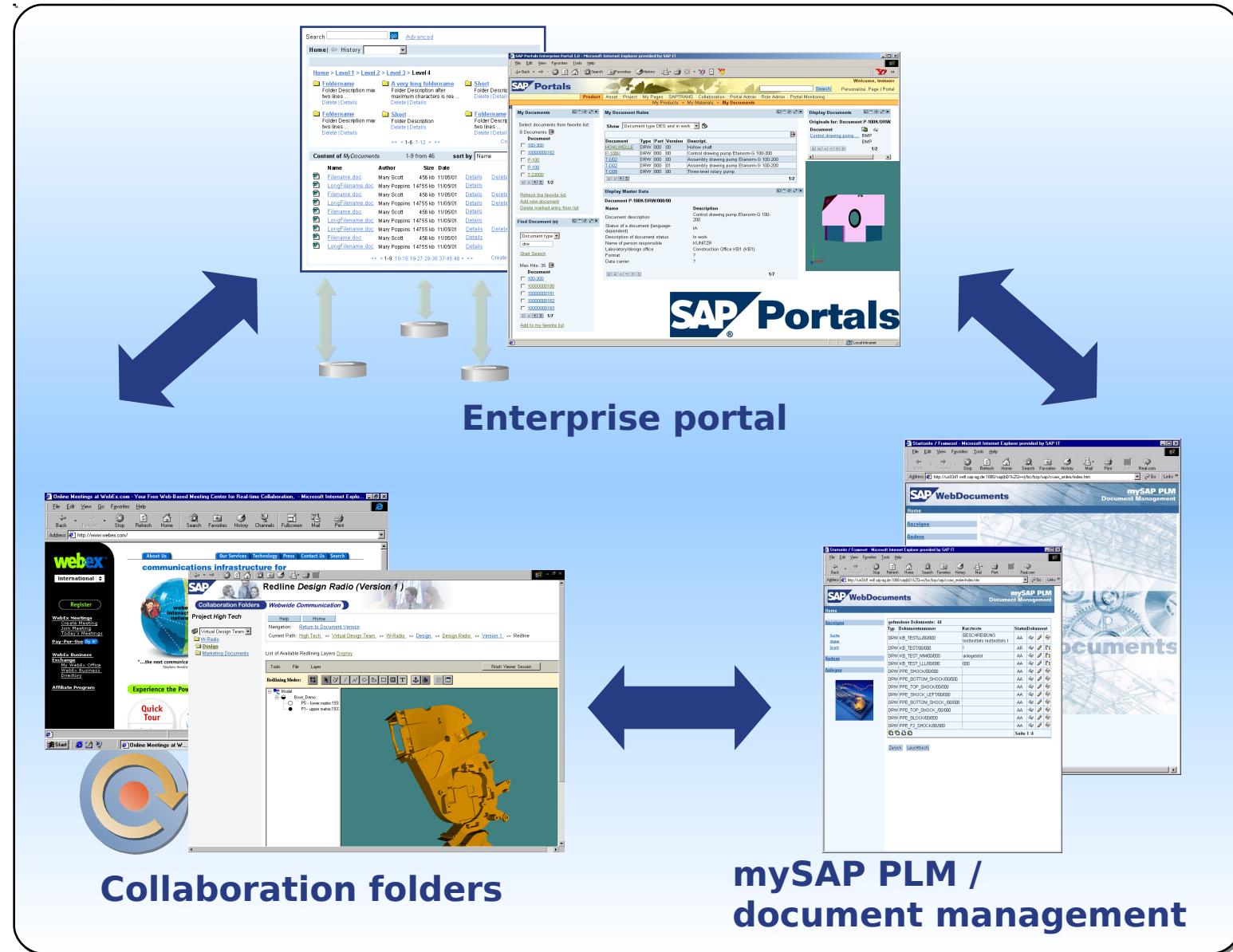
Customer



OEM

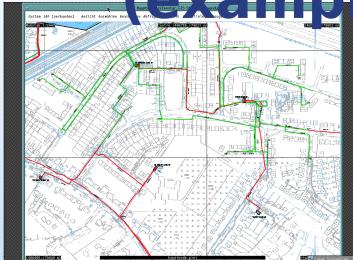


Supplier

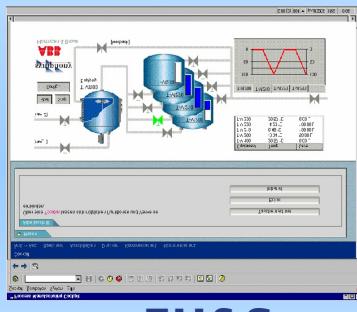


Document Management Integration

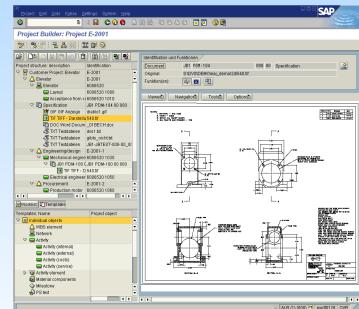
Applications (examples)



Asset life-cycle management

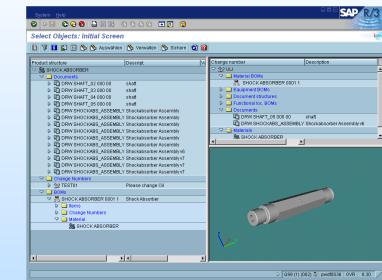


EH&S

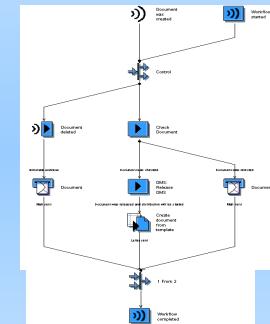


Project management

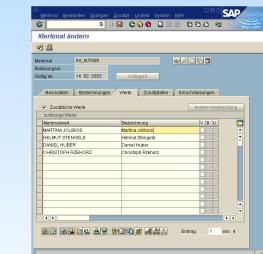
Services



Eng. change management



Workflow

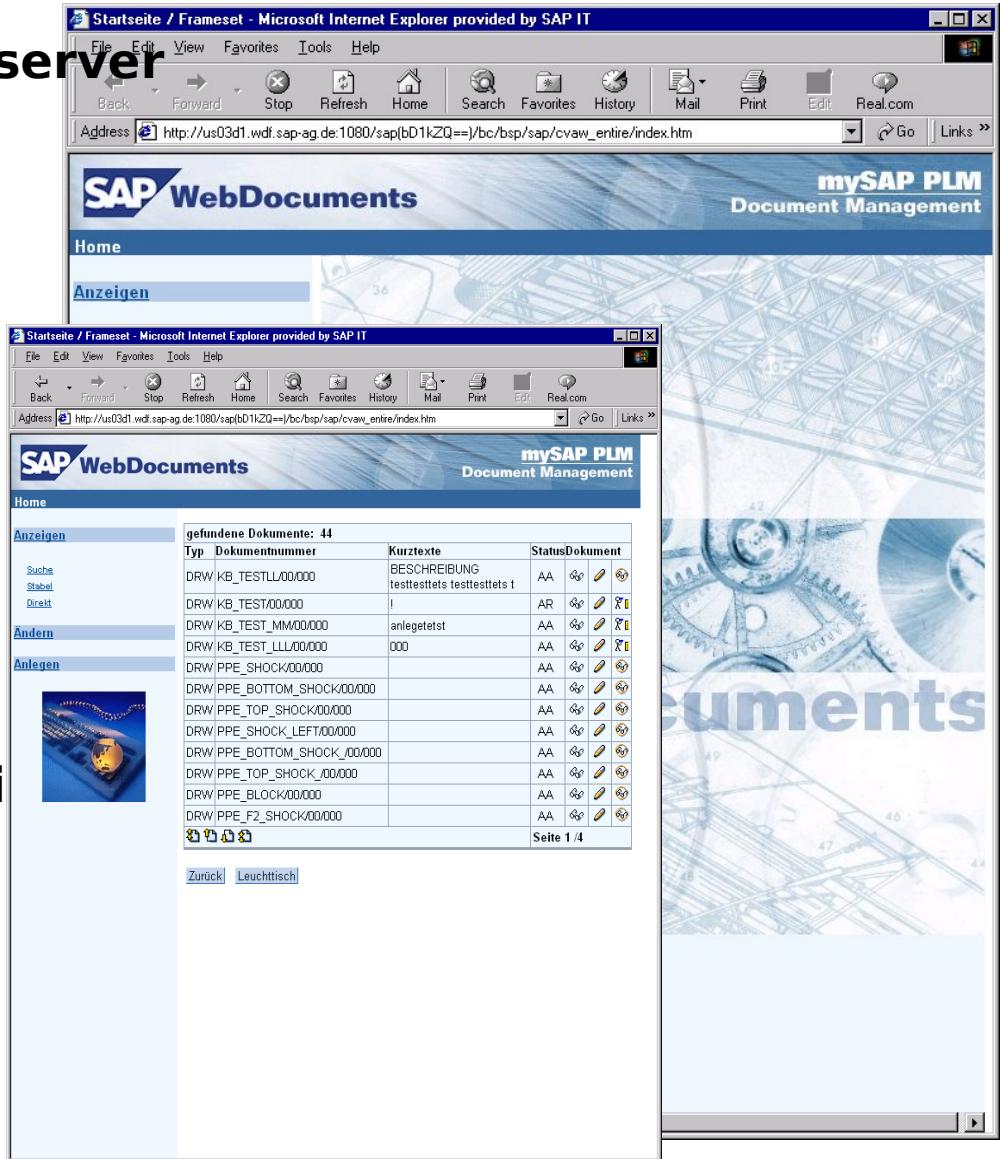


Classification

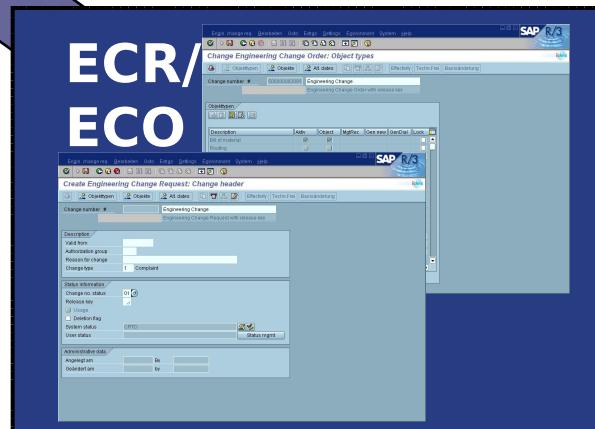
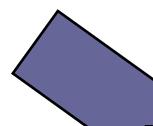
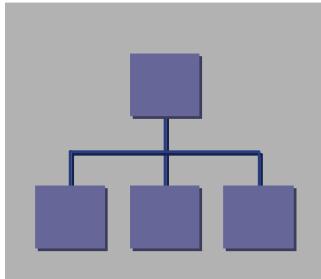
Based on Web application server

Central functions:

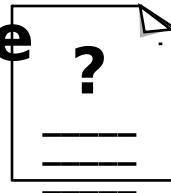
- Create
- Change
- Display
- Search, e.g. full-text retrieval
(TREX can be used)
- Thumbnails



Status before change



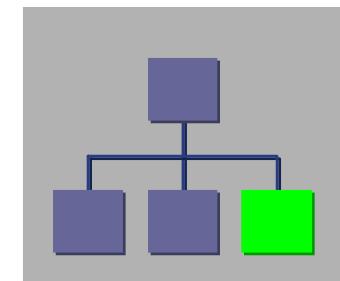
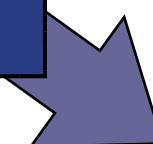
**Documentation
of change**



- Release control
- Effectivity



parameters



Status after change

Processing a Change Request / Change Order (ECR/ECO)



Purchasing



Service

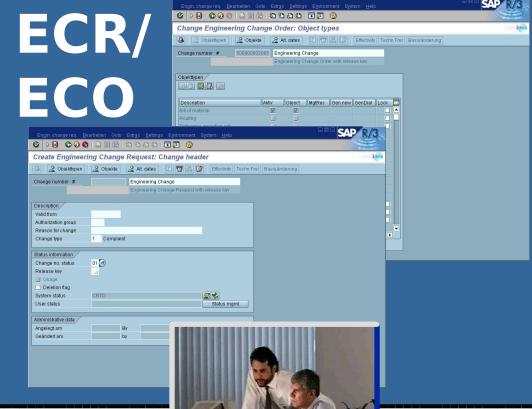


Sales



Quality Management

Request change
Create Change
Request



Enter objects

Approve Change
Request
Convert Change
Request to a Change
Order

Complete Change
Order
Release changes



Product engineering



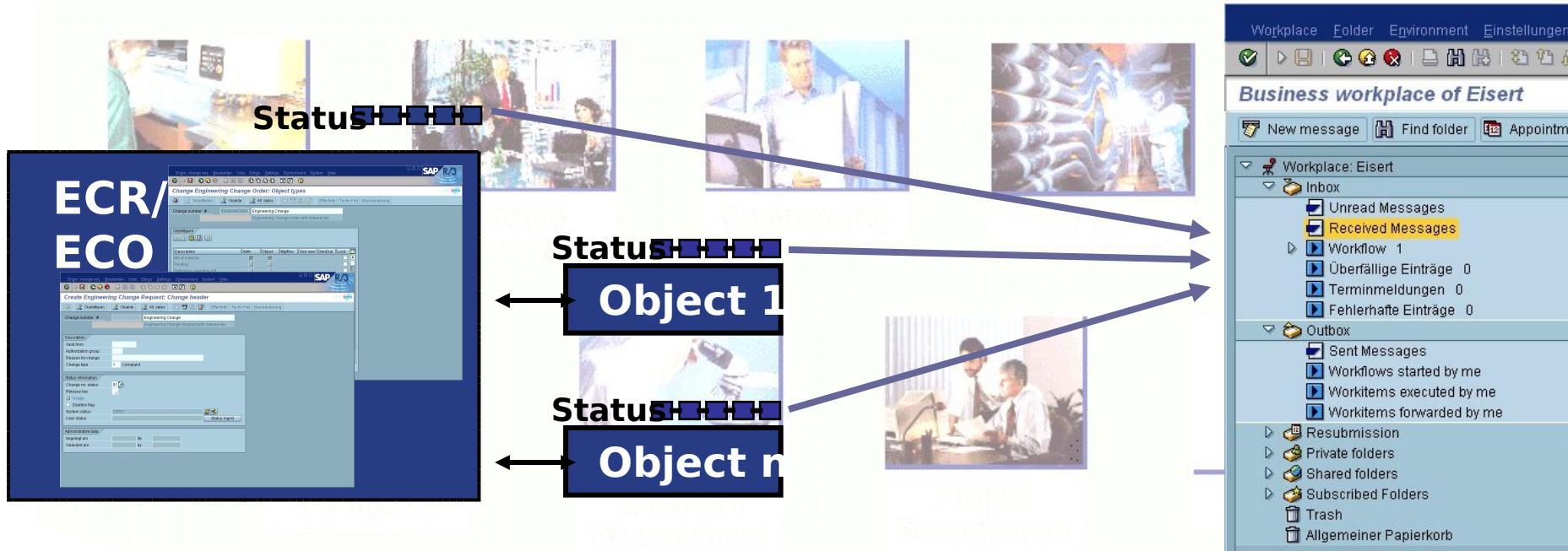
Process engineering

...

Check feasibility

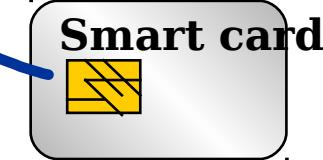
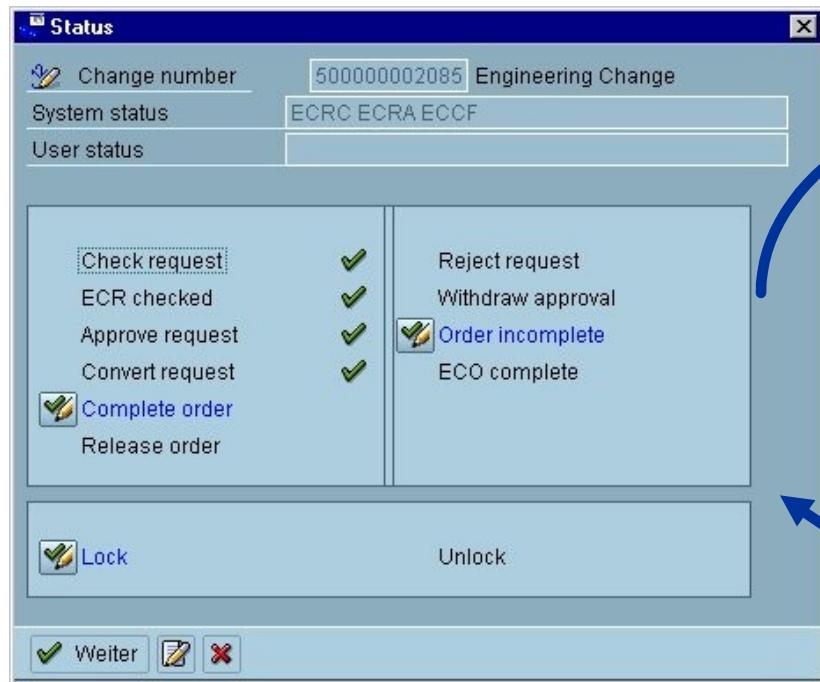
Change objects

Workflow for ECR/ECO Processing



- Workflow process is triggered by status changes
- Integrated office inbox as communication window
- Direct participation of the responsible specialists from all necessary areas of the enterprise
- Several templates for ECR/ECO and the linked objects

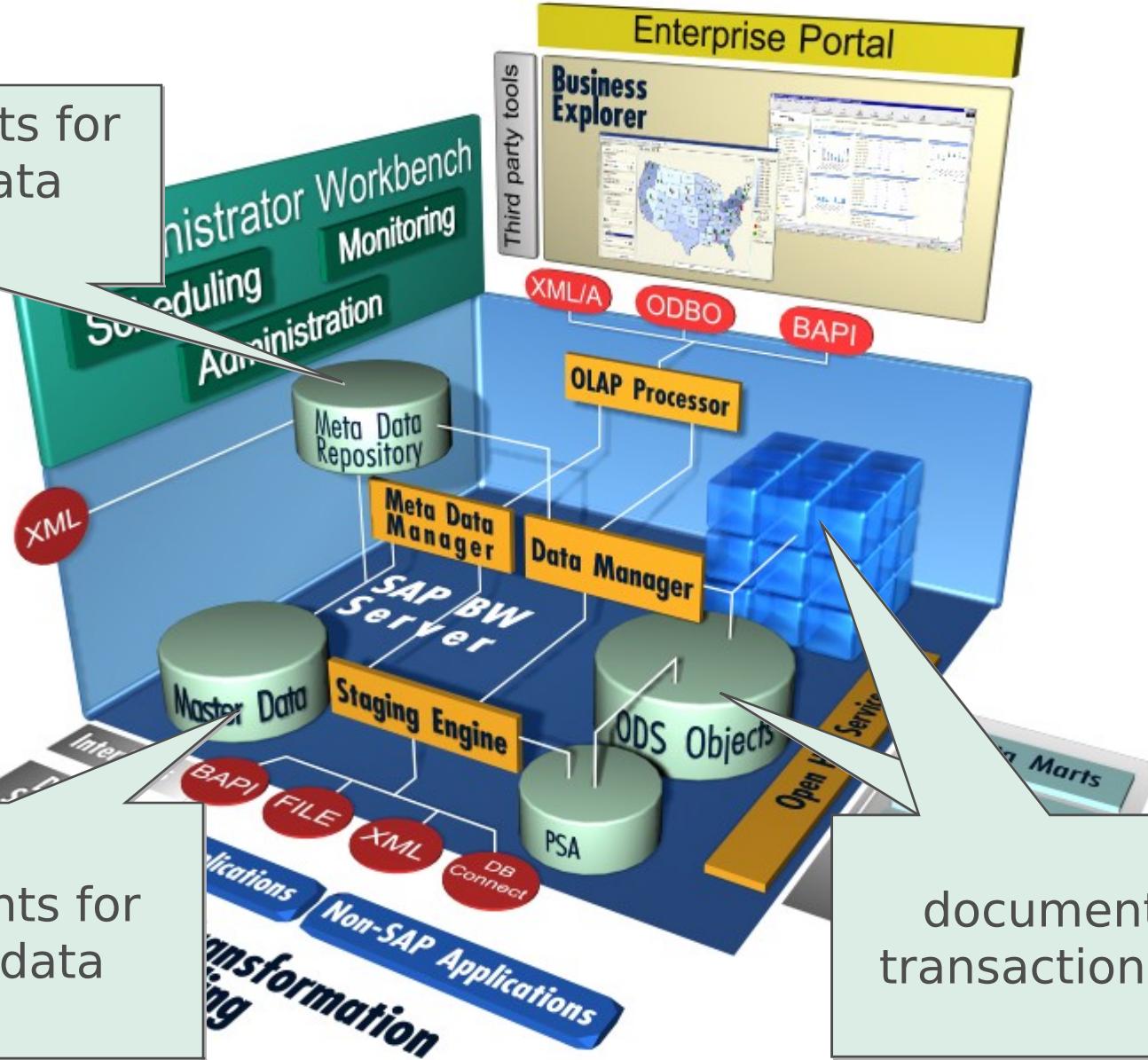
Digital Signature



- ECR /ECO header and object management record level
- Settings in customizing for a particular object status:
digital signature - yes/no?
- Cross checking (“multiple signature principle”)

Documents in SAP BW

documents for metadata



Technology

BW Web applications are automatically mobile- enabled

- Device recognition
- Device specific rendering
- Device specific navigation

One tool serves all scenarios

- BEx Web Application Designer

Performance

- Pre-calculated reports / web applications

Synchronization with PDA

Scenarios

Mobile Reporting

- Timely decisions with real-time data
- Wireless connection, no access to a networked computer

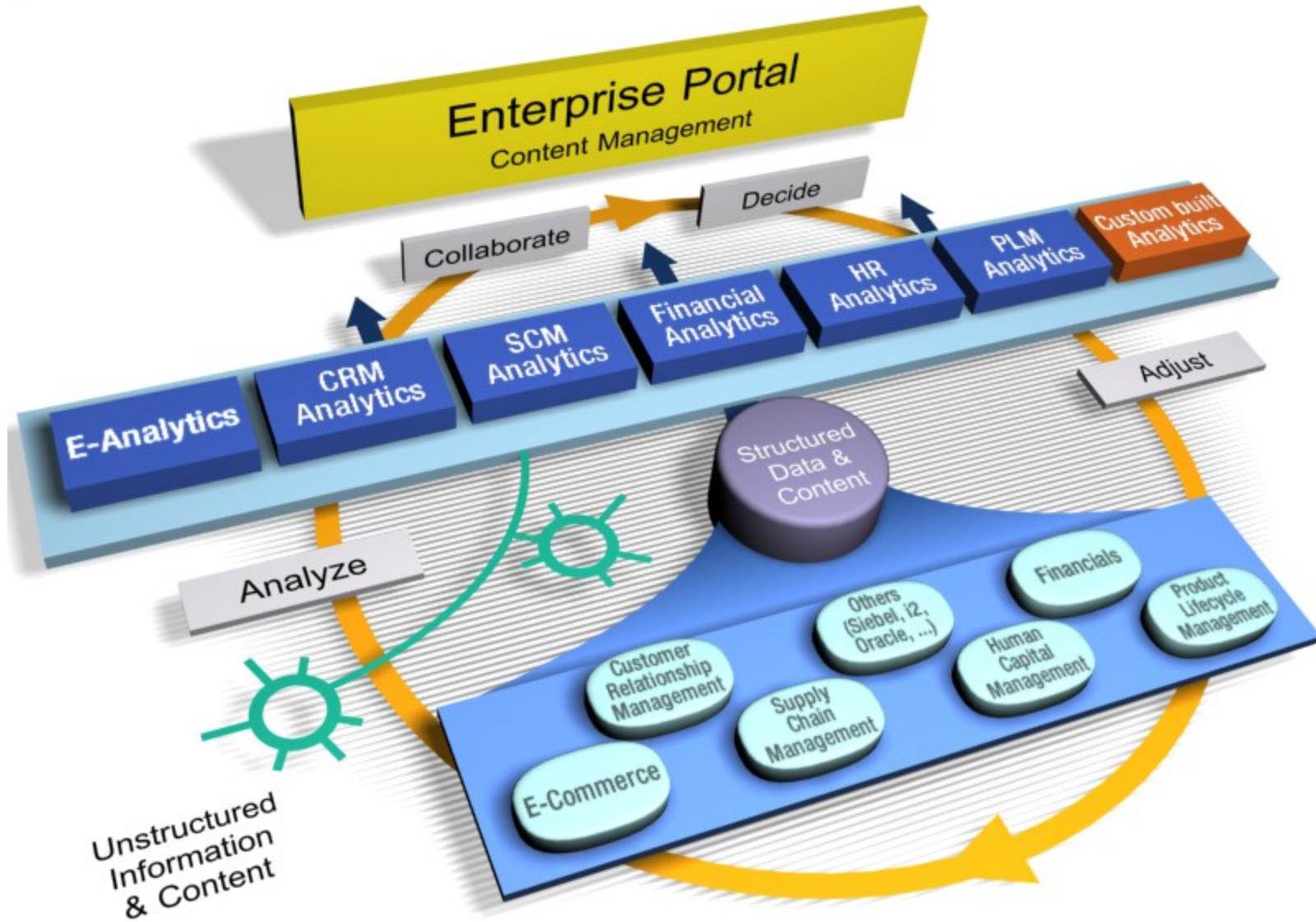
Offline reporting

- Portability
- Snapshot of data needed for a specific business situation (i.e at the customer site)

Analytic functionality



Analytical Applications



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